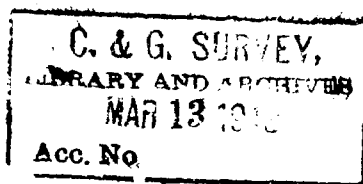


3418



Department of Commerce and Labor
COAST AND GEODETIC SURVEY

Superintendent.

State: Mass.

DESCRIPTIVE REPORT.

Nyd. Sheet No. 3418

LOCALITY:

Hellfleet Harbor

1912

CHIEF OF PARTY:

Paul C. Whitney

11-4645

3418

3418

Descriptive Report
to accompany
Hydrographic Sheet
Entrance, Wellfleet Harbor
Massachusetts
November 8 - 11, 1912
Paul C. Whitney
Chief of Party

The hydrography on this sheet is a resurvey of the entrance to Wellfleet Harbor, Massachusetts, in the vicinity of Stony Bar, and was made in conformity with paragraph 4, letter of instructions of September 5, 1912.

The signals used were those plotted on the projection furnished by the Office, excepting "FrontRange Beacon", which was projected from a blue print of Assistant French's work, in this vicinity.

The work was carried up to the red buoy N. E. of the Light House, and is sufficient to show any changes in the area covered.

The work was attended with bad weather and the completion may be difficult on that account.

Attention is called to the fact that the ebb and flood tidal currents have considerable velocity at the entrance to the Harbor, the maximum velocity being about 1.5 knots.

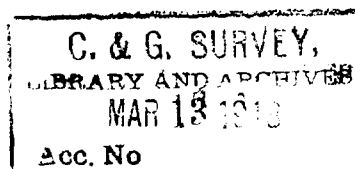
The hydrography was executed by F. S. Borden, Aid.

Respectfully submitted,

Paul C. Whitney
Chief of Party, C. & G. Survey

3418

List of Statistics
to accompany Hydrographic Sheet
Entrance Wellfleet Harbor



Massachusetts

Date, 1912	Letter	Vol	Posi- tions	Soundings	Status miles	Boat
November 8th	a	1	78	348	6.7	Whaleboat
" 9th	b	1	53	289	5.8	"
" 11th	c	1	184	926	20.4	"
Total			315	1563	32.9	

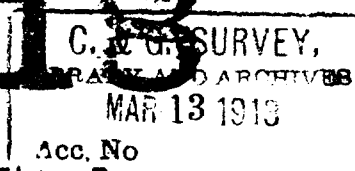
Tidal Data

Tide Gauge at Duxbury Pier Light

Plymouth, Mass

Plane of reference, reading on gauge 0.8 feet

Hyd. 3418. 3418



Locality: Wellfleet, Massachusetts

Special locality:- Harbor Entrance, vicinity of Stony Bar

Boat: Whaleboat, F.S. Borden, Aid, in charge

Vessel: Str. Hydrographer, Paul G. Whitney, Ass't., Commanding

Dates: November 8 - 11, 1912

Scale: 1/15,000

Hyd. Sheet # 3418

The positions were plotted in the field, and after checking a number of them, were accepted as correct.

The sounding records were kept in satisfactory manner. The area covered was fairly well developed.

In the N.E. section of the survey, there is, according to previous surveys, a sunken rock, known as "Sand Rock", which the party for some reason or other failed to investigate.

J. B. Shklearin

Soundings plotted in feet.

verified, J. D. Torrey "3/3

10/1/13

VEC
Mar. 21, 1913.

HYDROGRAPHIC SHEET 3418.

Wellfleet Harbor, Massachusetts, by Asst. H. P. Ritter
in 1912.

C.C. Dr.
P.C. Whitcomb
3/24/13

TIDES.

	Duxbury Pier ft.
Mean low water, or plane of reference on staff	-0.8
Lowest tide observed " "	-2.3
Highest tide observed " "	11.0
Mean range of tide	9.6

~~Coast and Geodetic Survey~~
MAR 22 1913
TIDAL DIVISION